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## Amendments to the Claims

1. (Currently amended) A composite material comprising:  
a matrix mixture of an epoxy resin and a hardener, the epoxy resin and hardener being essentially free of methylenedianiline (MDA) and vinylcyclohexene dioxide; and  
a filament-wound fiber reinforcement within the matrix,  
wherein:  
the matrix has a glass transition temperature of at least 250°F dry; and  
the resin has a pre-hardening mixed viscosity of 500-1500 cP at 75°F; and  
the composite material has, upon hardening, an interlaminar shear strength of at least 6.5 ksi dry at 75°F and at least 3.5 ksi dry at 250°F.
2. (Original) The material of claim 1 wherein:  
the composite material has a fiber tensile strength of at least 650 ksi; and  
the fiber reinforcement comprises an intermediate modulus, high tensile strength, carbon fiber.
3. (Original) The material of claim 1 used in a filament-wound pressure vessel.
4. (Currently amended) The material of claim 3 wherein the vessel is: ~~a space vehicle or missile~~  
a combustion chamber;  
or a propellant or oxidizer tank, said chamber or tank being on a space vehicle or on a missile.
5. (Original) The material of claim 1 wherein:  
the matrix hardens to B-stage in less than 20 hours at a temperature of 100°-150°F.
6. (Original) A method for manufacturing a composite material comprising:  
forming a blend of:

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a resin selected from the group consisting of low viscosity bisphenol A/epichlorohydrin resins, low viscosity cycloaliphatic resins, and low viscosity tetra functional epoxy resins; and

a hardener selected from the group consisting of liquid aromatic amine hardeners effective to provide glass transition temperatures in excess of 250°F, the blend being essentially free of methylenedianiline (MDA) and vinylcyclohexene dioxide; embedding fiber reinforcement in the blend; and

curing the fiber-reinforced blend to form the composite material having an interlaminar shear strength of at least 6.5 ksi dry at 75°F and 3 ksi dry at 250°F and a fiber tensile strength of at least 650 ksi in a filament-wound pressure vessel at 75°F.

7. (Original) The method of claim 6 wherein the fiber reinforcement is a high tensile strength intermediate modulus carbon fiber and the method further comprises forming the blend with a reactive diluent comprising diglycidyl ether of 1,4-butanediol, the diluent also being essentially free of (MDA) and vinylcyclohexene dioxide.

8. (Original) The method of claim 6 wherein:  
the blend further comprises a liquid amine cure catalyst comprising alkylated onium salt, substituted sulfur compound, substituted sulfide, ethylthioethanol, and fluoroboric acid.